

SWP Water Quality Summary

October 8 to November 12, 2008

Electrical Conductivity: EC decreased at Banks Pumping Plant (BPP) and Vallecitos, but increased at Check 29 and Devil Canyon, from October 8 to November 12, 2008. Concentrations ranged from 289 uS/cm to 617 uS/cm, but remained below the Article 19 Monthly Average Objective of 440 mg/L (733 uS/cm). Daily average concentrations varied at all the locations. The lowest and highest concentrations of 479 uS/cm and 530 uS/cm as of November 12, 2008 occurred at Check 29 and BPP, respectively. Concentrations decreased this month at BPP from 616 uS/cm to 530 uS/cm.

Bromide: Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations and ranged from 0.09 mg/L to 0.33 mg/L. As of November 12, Check 29 had the lowest concentration of 0.11 mg/L, followed by Devil Canyon and Vallecitos with 0.24 mg/L while the highest concentration of 0.30 mg/L occurred at Check 41. Concentration at BPP decreased from 0.33 to 0.26 mg/L as of this month.

Turbidity: Turbidity levels increased slightly at BPP and Check 29, but decreased at Devil Canyon and Vallecitos. Turbidity levels ranged from 0.8 NTU to 5 NTU as of November 12, 2008. The lowest level of 0.8 NTU occurred at Check 29 while the highest level of 5 NTU occurred at BPP and Vallecitos on November 12, 2008. BPP mean daily turbidity levels increased slightly from 4 NTU to 5 NTU as of November 12, 2008.

Dissolved Organic Carbon (DOC): Concentrations increased at all locations from October 8 to November 12, 2008. DOC daily average concentration at BPP, Check 13 and Edmonston ranged from 2.6 mg/L to 3.1 mg/L, from 2.5 mg/L to 2.6 mg/L and from 1.5 mg/L to 1.6 mg/L, respectively.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP spanned from low to moderate project wide, ranging from non-detect to 6 ng/L at Clifton Court, BPP, Del Valle Check 7, O'Neill Forebay Outlet, Check 41, Check 66, Castaic Lake and Silverwood Lake. The only exception was at Lake Perris where MIB concentrations from various sites (mid dam, rock reef, etc.) ranged from 23 ng/L to 150 ng/L, from October 29 to November 7, 2008.

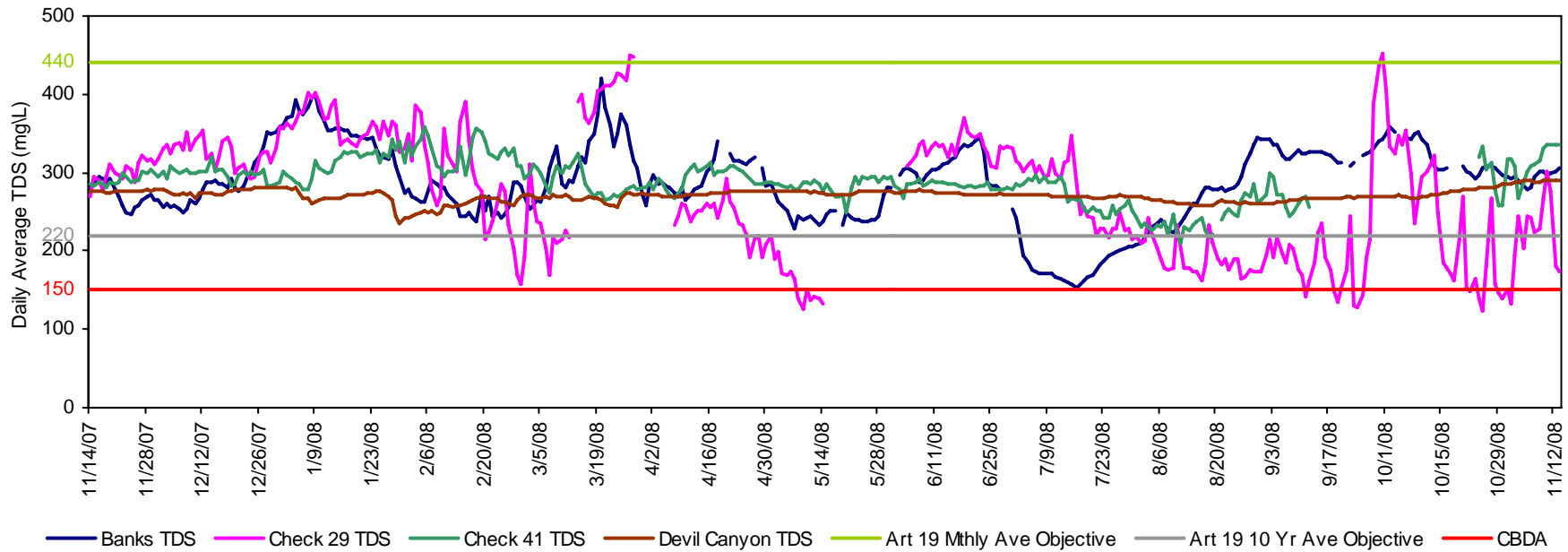
Pump_ins: Pump-ins to the State Water Project (SWP) from the Banking Programs (Alvin Edison, Kern Water Bank, Cross Valley Canal and Semi-tropic 3) this month added a total volume of 51,522 acre feet (AF).

Note:

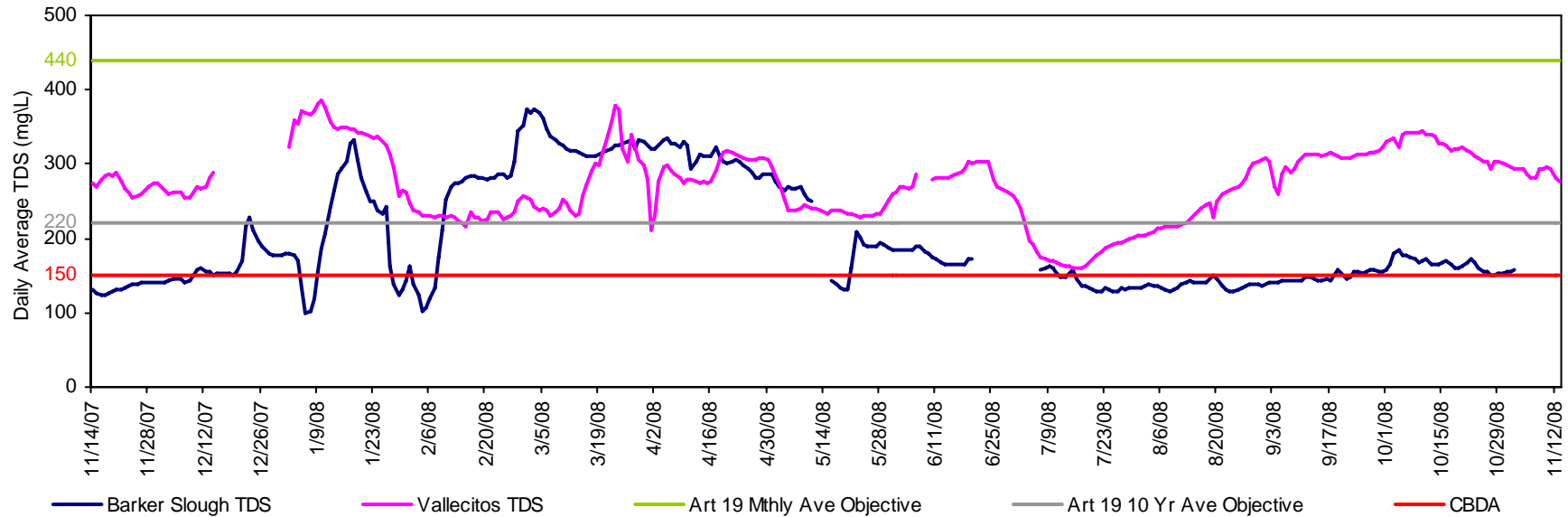
The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to

Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit:
<http://www.wmwq.water.ca.gov> and click the “Autostation Data” link on the left side navigation bar.

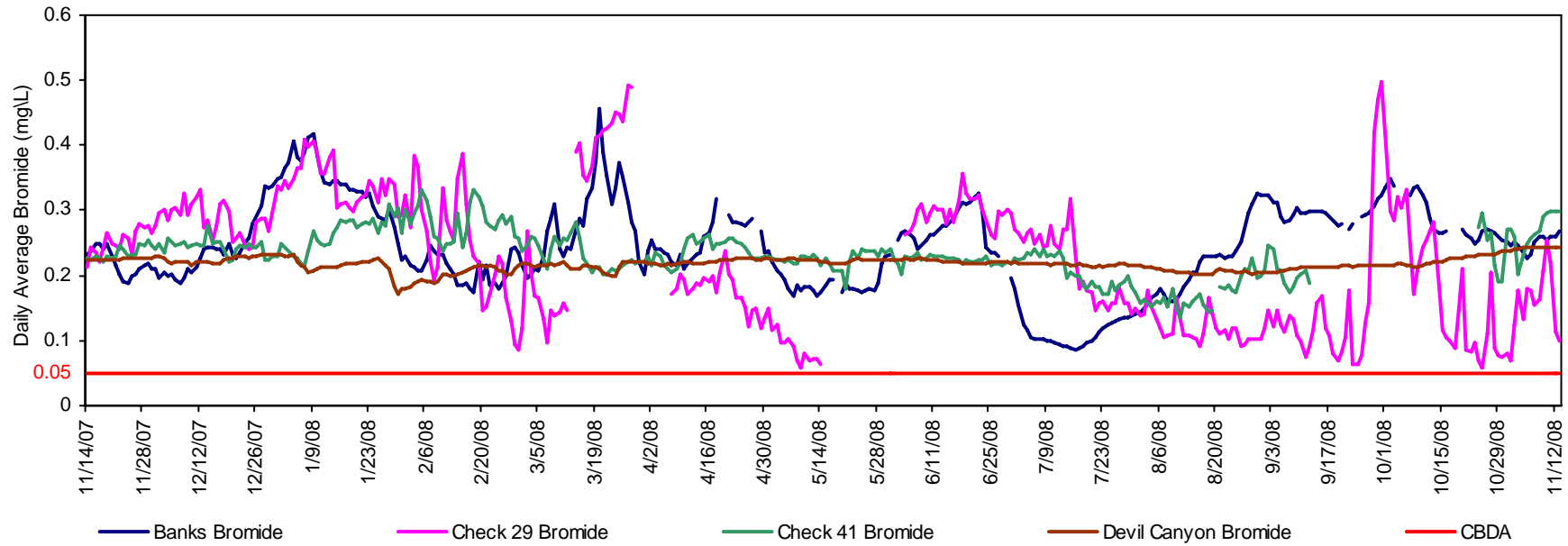
California Aqueduct - Calculated Total Dissolved Solids



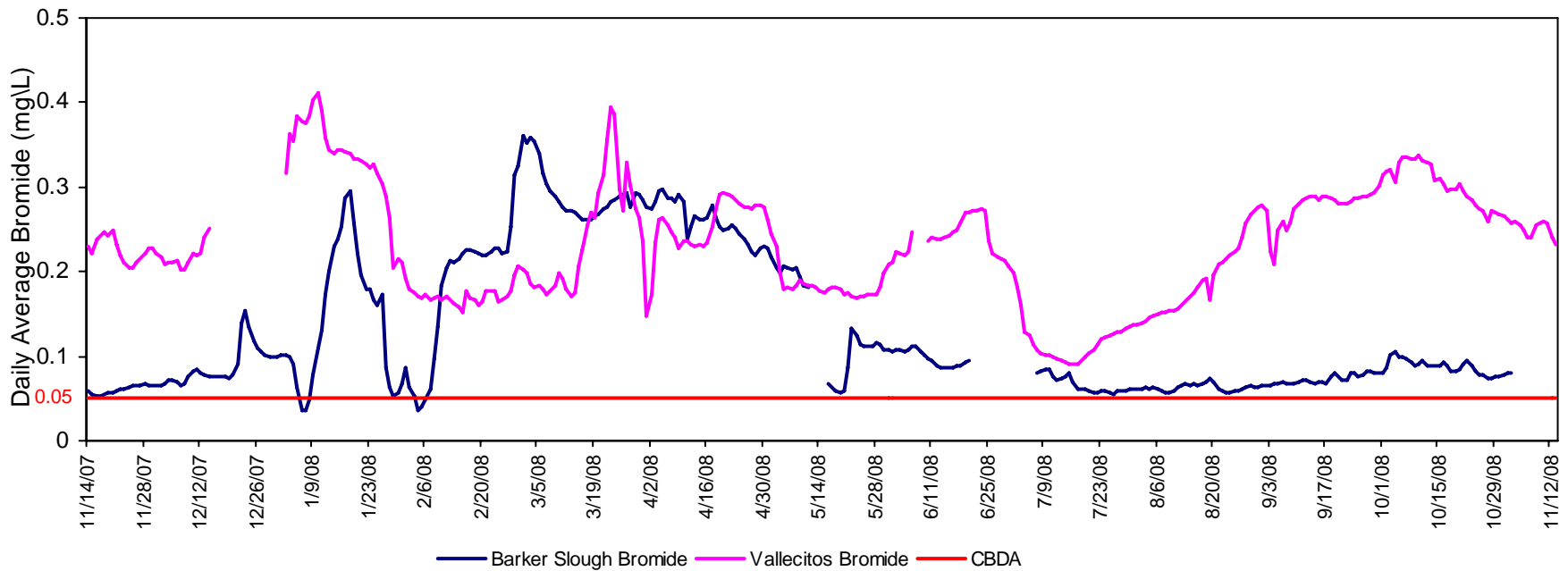
North and South Bay Aqueduct - Calculated Total Dissolved Solids



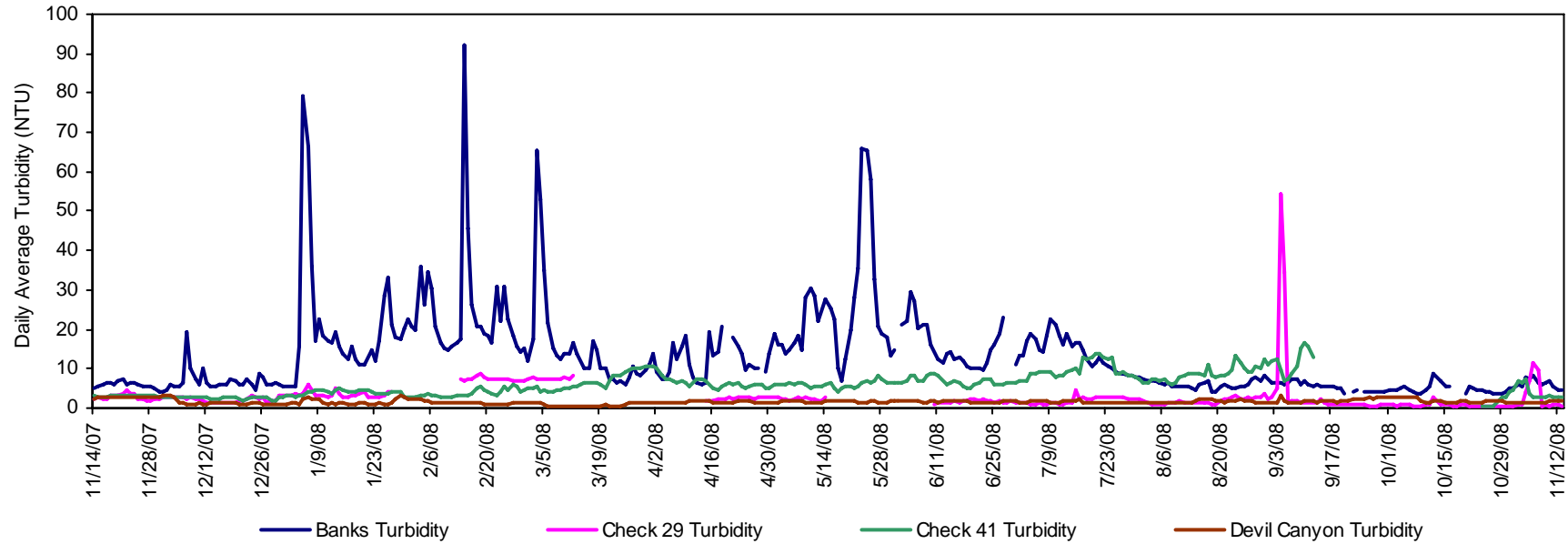
California Aqueduct - Calculated Bromide



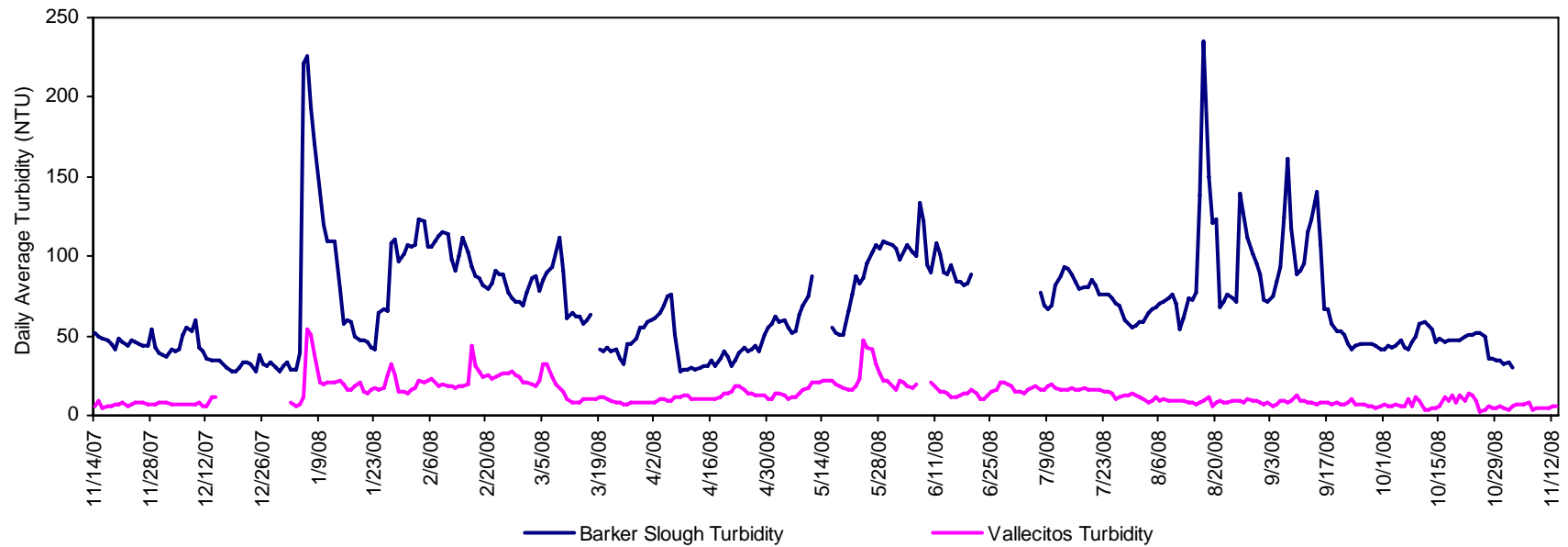
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct Calculated Dissolved Organic Carbon



SWP Water Quality Report

DWR Operations & Maintenance Water Quality Automated Station Data from October 8 to November 12, 2008

Automated sampling stations provide real time data by continuously measuring water quality conditions in the California Aqueduct.

Water Quality Parameters	Objective	Range	Harvey O. Banks PP KA000331	Check 29 KA024454	Check 41 KA030341	Devil Canyon KA041288	NBA at Barker Slough KG000000	Vallecitos KB002250	Check 13 O'Neill Forebay Outlet KA007089	Edmonston PP Milepost 293.45
EC (µS/cm)	733**	average	538	365	527	496	272	559		
		10/8/08	616	407	NO DATA	473	289	617		
		11/12/08	530	479	576	511	NO DATA	529		
Bromide (mg/L)	0.05*	average	0.27	0.15	0.27	0.23	0.08	0.28		
		10/8/08	0.33	0.17	NO DATA	0.21	0.09	0.33		
		11/12/08	0.26	0.11	0.30	0.24	NO DATA	0.24		
Turbidity (NTU)		average	5	2	3	2	46	7		
		10/8/08	4	0.4	NO DATA	3	46	6		
		11/12/08	5	0.8	3	2	NO DATA	5		
DOC (mg/L)	3.0*	average	2.7						2.4	1.5
		10/8/08	2.6						2.5	1.5
		11/12/08	3.1						2.6	1.6
Taste & Odor Parameters	Range	Clifton Court KA000000	Harvey O. Banks PP KA000331	Lake Del Valle, Check 7 KB001632	Check 13 O'Neill Forebay Outlet KA007089	Check 41 KA030341	Check 66 KA040341	Castaic Lake	Lake Perris	Silverwood Lake
MIB (ng/L)	10/7/8 to	2-3	ND	ND-2	ND-2	2	1	ND	23-150	ND-4
Geosmin (ng/L)	11/7/08	3-5	6-10	2-6	ND-2	1	ND	ND	ND-3	ND

*CBDA Objective

**Article 19 Monthly Average (converted from 440 mg/L to 733µS/cm)

ND = Non-detect